

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/013778

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ F16H61/00, B60S1/08, B60J1/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ F16H61/00-61/12, 61/16-61/24, B60S1/08, B60J1/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004
 Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2000-296720 A (Toyota Motor Corp.), 24 October, 2000 (24.10.00), Column 2, lines 36 to 49; column 3, line 50 to column 4, line 23; column 7, lines 7 to 26; column 10, line 40 to column 12, line 16; column 16, line 25 to column 20, line 1; Figs. 1, 7, 8 (Family: none)	1,2
E,X	JP 2004-84742 A (Nissan Motor Co., Ltd.), 18 March, 2004 (18.03.04), Page 2, lines 20 to 31; page 3, lines 1 to 10; page 4, line 4 to page 5, line 6; page 7, line 32 to page 8, line 39; Figs. 1, 2 (Family: none)	1,2

 Further documents are listed in the continuation of Box C. See patent family annex.

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- "E" earlier application or patent but published on or after the international filing date
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- "P" document published prior to the international filing date but later than the priority date claimed
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
08 November, 2004 (08.11.04)Date of mailing of the international search report
22 November, 2004 (22.11.04)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-317623 A (Nissan Motor Co., Ltd.), 16 November, 2001 (16.11.01), Column 1, lines 1 to 19, 41 to column 2, line 14; column 5, lines 6 to 15, 44 to column 6, line 15; column 7, line 12 to column 8, line 1, 22 to 41; Figs. 3, 7 (Family: none)	1,2
A	JP 2002-213594 A (Toyota Motor Corp.), 31 July, 2002 (31.07.02), Column 4, line 42 to column 5, line 15; Fig. 3 & DE 10201490 A1 & US 2002/94910 A1	1,2